



KENTUCKY WEEKLY CROP & WEATHER REPORT



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Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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JBF 19-00

AGRICULTURAL NEWS: Rainfall was received statewide over the weekend; however, areas in the west are still in need of additional showers. Spraying and topping tobacco, making hay and clipping pastures were the major activities for the week. Days suitable for fieldwork averaged 5.6 out of a possible six. **Topsoil moisture** as of Friday, July 28 was rated 13 percent very short, 24 percent short, 59 percent adequate and 4 percent surplus. **Subsoil moisture** was rated 16 percent very short, 27 percent short, 52 percent adequate and 5 percent surplus.

CORN: Condition as of Friday, July 28 was reported as 1 percent very poor, 7 percent poor, 23 percent fair, 45 percent good, and 24 percent excellent. As of July 30, 92 percent of the crop had silked slightly behind last year's 96 percent, but ahead of the 5 year average of 81 percent. Corn reaching the milk stage was 67 percent compared to 76 percent last year and the 5 year average of 49 percent. The crop in the dough stage reached 45 percent compared to 51 percent last year and the 5 year average of 32 percent. Above average yields are expected.

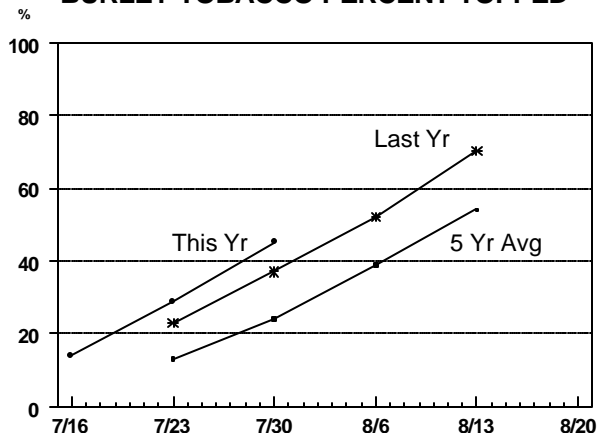
SOYBEANS: Crop condition as of July 28 was reported as 2 percent very poor, 6 percent poor, 28 percent fair, 42 percent good, and 22 percent excellent. The crop was 69 percent blooming, ahead of last year's

66 percent. Soybeans setting pods were reported at 37 percent as of July 30 compared to last year's 38 percent. Both blooming and setting pods were ahead of the 5 year average.

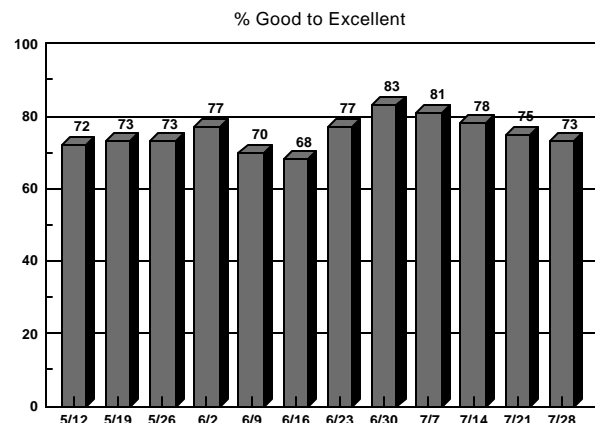
TOBACCO: Increasing reports of blue mold were becoming a concern. The disease was mainly concentrated in the eastern part of the State. Black shank is still reported statewide, but is not a major problem. Insects and other diseases were not an issue. Tobacco has been cut on a few farms. By Sunday, July 30, 69 percent of **burley** tobacco was blooming compared to 63 percent last year and 45 percent of the crop had been topped compared to 37 percent last year. Burley development was also ahead of the 5 year average. **Dark tobacco** was 62 percent topped behind last year's 76 percent. Condition of all set tobacco was reported as 2 percent very poor, 5 percent poor, 20 percent fair, 55 percent good, and 18 percent excellent.

OTHER CROPS: **Hay** crops were reported as 3 percent very poor, 7 percent poor, 23 percent fair, 51 percent good, and 16 percent excellent. **Pasture** condition as of Friday, July 28 was rated 5 percent very poor, 10 percent poor, 27 percent fair, 47 percent good and 11 percent excellent. Clipping pastures and harvesting the second cutting of hay kept farmers busy during the week.

BURLEY TOBACCO PERCENT TOPPED



BURLEY TOBACCO CONDITION



KENTUCKY CROP PROGRESS
WEEK ENDING JULY 30, 2000
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	69	66	43	56	74
Setting Pods	37	38	21	28	30
Corn					
Silking	92	96	81	85	75
Milk Stage	67	76	49	58	NA
Dough Stage	45	51	32	30	13
Burley Tobacco					
Blooming	69	63	46	54	NA
Topped	45	37	24	29	NA
Dark Tobacco					
Topped	62	76	57	42	NA

SOIL MOISTURE
WEEK ENDING JULY 28, 2000
WITH COMPARISONS

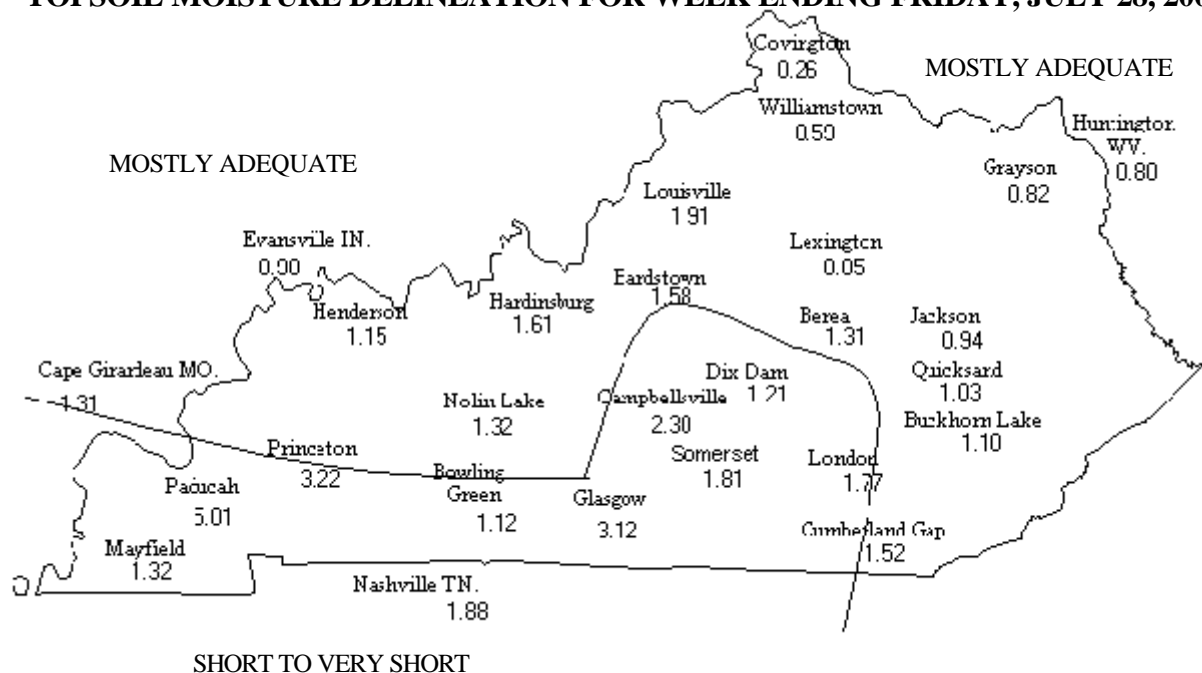
	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	13	9
Short	24	18
Adequate	59	60
Surplus	4	13
SUBSOIL		
Very Short	16	12
Short	27	27
Adequate	52	54
Surplus	5	7

(NA) Data Not Available.

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 28, 2000					WEEK ENDING JULY 21, 2000				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	1	7	23	45	24	1	5	20	46	28
Soybeans	2	6	28	42	22	1	4	23	47	25
Pasture	5	10	27	47	11	2	8	24	53	13
Hay Crops	3	7	23	51	16	2	6	25	50	17
Tobacco	2	5	20	55	18	2	5	18	56	19

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 30, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 28, 2000



KENTUCKY WEATHER SUMMARY, JULY 24 - 30, 2000:

BELOW NORMAL TEMPERATURES AND ABOVE NORMAL RAINFALL:

Kentucky saw some much needed rain showers/thunderstorms over the weekend which helped to alleviate the hydrological drought conditions in Central and Western sections and the agricultural drought conditions in West Kentucky. Some areas of the State also received hail and high winds with these thunderstorms. The work week saw dry, unseasonably cool conditions.

Temperatures for the period averaged 73 degrees across the State which was 3 degrees **BELOW NORMAL**. High temperatures averaged from 84 in the West to 83 in the East. Departure from normal high temperatures ranged from 5 degrees **BELOW NORMAL** in the West to 3 degrees **BELOW NORMAL** in the East. Low temperatures averaged from 62 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 5 degrees **BELOW NORMAL** in the West to 1 degree **BELOW NORMAL** in the East. As of July 22 the Palmer Drought index indicated that West and Central regions were under **MODERATE** hydrological drought conditions with Bluegrass in a **MILD** drought and East **NEAR NORMAL**. The Crop Moisture Index for the same time showed the West region with **ABNORMALLY DRY** agricultural conditions with the rest of the State at **NEAR NORMAL** conditions agriculturally.

Rainfall for the period totaled 1.50 inches Statewide which was 0.45 inches **ABOVE NORMAL**. Precipitation totals by climate division, West 2.15 inches, Central 1.78 inches, Bluegrass 0.86 inches and East 1.22 inches, which was +1.22, +0.67, -0.20 and +0.09 inches respectively from normal. By station, precipitation totals ranged from a low of 0.26 inches at Covington to a high of 5.01 inches at Paducah.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 30, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	1.58	13.66	3.42	-3.19	-1.10	89	56	73.0	-3	157	2221	+76
Berea	1.31	21.38	4.65	+4.08	+0.66	87	58	73.3	-2	160	2193	-13
Bowling Green	1.12	13.76	1.74	-4.26	-2.54	91	55	74.0	-2	160	2304	+68
Bristol	2.32	15.37	4.28	+0.45	+0.38	86	58	71.9	-3	151	2076	+52
Buckhorn Lake	1.10	20.84	3.83	+4.15	-0.54	86	58	72.8	-2	158	2186	+252
Cape Girardeau	1.31	11.17	1.59	-5.35	-1.61	90	51	72.1	-6	151	2293	-64
Campbellsville	2.30	20.31	4.37	+1.02	-0.48	91	58	74.3	-2	165	2313	+137
Covington	0.26	16.67	3.13	+0.70	-0.70	84	59	72.2	-3	155	2015	+21
Cumberland Gap	1.52	15.05	3.78	-3.20	-0.98	89	58	74.9	-0	167	2273	+279
Dix Dam	1.21	16.77	3.66	-0.66	-0.82	88	57	73.3	-2	159	2189	+44
Evansville	0.90	15.53	4.48	-0.64	+0.83	85	56	71.8	-6	150	2203	-33
Glasgow	3.12	19.72	4.16	+0.37	-0.64	94	58	74.8	-1	165	2414	+268
Grayson	0.82	16.68	4.25	+0.25	-0.14	85	59	72.1	-3	153	2117	+244
Hardinsburg	1.61	15.23	3.01	-2.36	-1.30	88	57	73.2	-3	159	2328	+92
Henderson	1.15	16.86	3.25	+0.30	-0.44	88	57	72.9	-5	157	2346	+80
Huntington	0.80	15.90	4.24	-0.43	-0.21	85	59	72.0	-3	152	2102	+78
Jackson	0.94	22.53	5.57	+5.05	+0.83	84	60	72.6	-3	155	2120	+186
Lexington	0.85	15.17	3.30	-1.68	-1.22	88	58	72.9	-2	157	2134	+110
London	1.77	15.92	4.43	-0.49	+0.13	85	62	74.1	-1	167	2138	+144
Louisville	1.91	17.13	3.94	+0.46	-0.13	87	59	73.1	-3	160	2250	+14
Mayfield	1.32	11.53	2.15	-6.25	-1.91	90	57	72.4	-5	149	2276	-21
Nashville	1.88	18.16	2.25	+1.50	-1.34	93	60	77.9	+2	181	2472	+85
Nolin Lake	1.32	14.94	2.30	-3.88	-2.26	90	56	73.9	-2	161	2324	+269
Paducah	5.01	17.23	5.09	-0.82	+1.31	89	53	73.3	-5	157	2353	+26
Princeton	3.22	18.41	4.51	+0.65	+0.64	93	56	74.7	-3	163	2469	+173
Quicksand	1.03	25.24	4.04	+7.76	-0.70	86	58	72.4	-3	154	2199	+265
Somerset	1.81	24.00	5.25	+5.61	+0.83	88	59	74.6	-1	169	2264	+179
Spindletop	0.92	13.70	3.42	-3.15	-1.10	89	59	72.9	-2	157	2095	+71
Williamstown	0.59	17.56	2.77	+0.85	-1.32	87	59	72.7	-3	157	2183	+159

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center

(606)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.agwx.ca.uky.edu/>

August normal crop calendar

Summer crops

Canada
Small Grains & Rapeseed: Filling to Maturing
Corn: Silking *

Europe
Corn: Maturing
Small Grains: Harvesting (South)

Former Soviet Union
Small Grains: Harvest (West); Filling (East)
Corn, Sunflowers, & Sugarbeets: Filling
Cotton: Filling (Central Asia)

United States
Small Grains: Harvesting
Corn, Soybeans, Sorghum & Cotton: Filling

China
Corn, Cotton & Soybeans: Filling
Early Rice: Harvest
Single Rice: Maturing
Late Rice: Vegetative

Mexico
Corn & Sorghum: Filling

West Africa
Coarse Grain, Rice: Filling (Sahel); Harvesting (Coast)

South Asia
Oilseeds: Vegetative to Flowering *
Grains (rice): Heading
Cotton: Vegetative

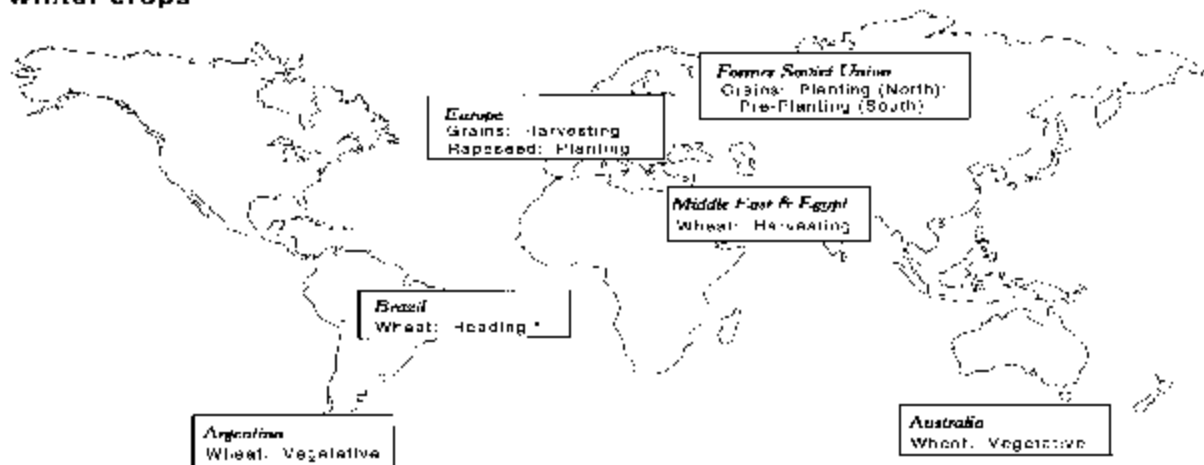
Brazil
Coffee, Citrus, & Sugarcane: Harvesting

East Africa
Maize, Sorghum: Harvesting (Kenya, Ethiopia)
Grains: Reproductive * (Sudan)
Small Grains: Reproductive * (Ethiopia)

Southeast Asia
Rice: Filling
Corn: Filling to Mature

Australia
Sugarcane: Harvesting

Winter crops



* Maturity / Temperature Sensitive Stage of Development

JOINT AGRICULTURAL WEATHER BUREAU (JAAW/USDA)

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